

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	433	398/38,94,197.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/11/25 13:37
L2	169	398/136.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/11/25 13:38
L3	513	398/135.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/11/25 13:38
L4	974	398/135-139.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/11/25 13:38
L5	502186	((control\$4 or regulat\$4) near (power or voltage))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/11/25 13:55
L6	198	4 and 5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/11/25 15:16
L7	342	398/139.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/11/25 15:16
L8	206	aronson-lewis.in. aronson-lewis-\$.in. light-greta.in. light-greta-\$.in. hosking-stephen-\$.in. hosking-stephen.in. hosking-lucy-\$.in. hosking-lucy.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/11/25 15:18
L9	84612	5.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/11/25 15:18
L10	45	9 and 4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/11/25 15:18
L11	17	9 and 8	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/11/25 15:18
S1	2	"20040008996".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/05/14 11:48
S2	30418	372/1-109.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/17 16:50
S3	442	S2 and (regulat\$4 with voltage\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/20 18:11

## EAST Search History

S4	12982	398/1-214.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/20 18:11
S5	265	S4 and (regulat\$4 with voltage\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/05/21 10:44
S6	198	S4 and (regulat\$4 near4 voltage\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/16 16:26
S7	179	S4 and (regulat\$4 near3 voltage\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/21 09:01
S8	30437	372/1-109.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/21 09:01
S9	13002	398/1-214.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/21 09:01
S10	42891	S8 or S9	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/21 09:01
S13	406	S10 and (regulat\$4 near2 voltage\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/21 17:42
S14	11159	(ic or integrat\$4) same (regulat\$4 near2 voltage\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/16 16:25
S15	2237994	controller\$1 or microprocessor\$1 or processor\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/21 09:05
S16	41	S14 and S10	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/21 09:05
S17	6488	voltage adj regulators	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/21 17:57
S18	37	S17 and S10	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/21 09:09
S19	38384	voltage adj regulator	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/21 09:15
S20	129	S19 and S10	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/21 09:15

## EAST Search History

S21	109	S20 not S18	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/21 09:15
S22	30437	372/1-109.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/21 17:43
S23	13002	398/1-214.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/21 17:43
S24	42891	S22 or S23	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/21 17:43
S25	3358	S24 and ((control\$4 or regulat\$4) near2 voltage\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/21 17:56
S26	2650	S24 and ((control\$4 or regulat\$4) near voltage\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/22 09:38
S27	1205	S24 and (((control\$4 or regulat\$4) near2 voltage\$1) same power)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/21 18:28
S28	81634	regulators	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/21 17:57
S29	52	S27 and S28	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/21 17:57
S30	72	S25 and S28	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/21 18:13
S31	1089	low adj (((drop adj out) or dropout)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/21 18:13
S32	721	boost adj buck	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/21 18:13
S33	4	S31 and S25	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/21 18:14
S34	3	S32 and S25	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/21 18:13
S35	27	S24 and (power adj regulator\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/21 18:28

## EAST Search History

S36	30437	372/1-109.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/22 09:38
S37	13002	398/1-214.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/22 09:38
S38	42891	S36 or S37	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/03/22 09:38
S39	2665	S38 and ((control\$4 or regulat\$4) near power)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/11/25 13:38
S40	277	voltage near regulat\$4	IBM_TDB	OR	OFF	2006/03/22 09:41
S41	48	integrat\$4 and S40	IBM_TDB	OR	OFF	2006/03/22 09:41
S42	1022	aronson.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/16 16:16
S43	15962	power adj controller	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/16 16:21
S44	10	S42 and S43	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/16 16:18
S45	346	398/38,94,197.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/16 16:18
S46	856827	power with control\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/16 16:19
S47	12	lemon.in. and king.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/16 16:19
S48	27	("4009385"   "4081670"   "4166985"   "4292606"   "4347610"   "4355395"   "4369525"   "4443695"   "4539686"   "4577320"   "4580044"   "4611352"   "4663760"   "4677632"   "4689795"   "4698817"   "4733398"   "4878225"   "4890288"   "4903273"   "4918681"   "4928284"   "5019769"   "5025447"   "5286969"   "5396059"   "5488621").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/16 16:20
S49	104654	power adj control\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/16 16:21
S50	1991896	(ic or integrat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/16 16:25
S51	102679	(regulat\$4 near4 voltage\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/16 16:26

## EAST Search History

S52	3266	S51 same (boost or buck)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/16 16:27
S53	0	S45 and S52	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/16 16:27
S54	13822	398/1-214.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/16 16:27
S55	3	S52 and S54	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/16 16:27
S57	778	boost adj buck	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/16 16:29
S58	1	S54 and S57	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/16 16:28
S59	31168	372/1-109.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/16 16:28
S60	31168	S59	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/16 16:28
S61	2	S57 and S60	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/16 16:28
S62	3477	boost and buck	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/16 16:29
S63	2	S59 and S62	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/16 16:29
S64	1	S54 and S62	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/16 16:29
S65	32567	drop-out or (drop adj out) or (dropout)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/16 16:35
S66	19	(US-20050008373-\$ or US-20040008996-\$ or US-20030063641-\$).did. or (US-4503532-\$ or US-5936986-\$ or US-4264896-\$ or US-5953690-\$ or US-4161650-\$ or US-5771114-\$ or US-5727110-\$ or US-5761231-\$ or US-5602860-\$ or US-5389963-\$ or US-5040242-\$ or US-5666045-\$ or US-7006543-\$ or US-4070572-\$ or US-5019769-\$).did. or (NN950225).tban.	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2006/08/16 16:35

## EAST Search History

S67	1305617	regulat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/16 16:35
S68	802887	power adj suppl\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/16 16:42
S69	14	S66 and S68	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/16 16:36
S70	1107	S65 near3 S67	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/16 16:36
S71	44421	S54 or S59	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/16 16:37
S72	6	S70 and S71	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/16 16:37
S73	881087	(voltage or power) adj suppl\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/16 16:42
S74	48622	S67 with S73	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/16 16:42
S75	288	S71 and S74	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/16 17:18
S76	6893	voltage adj regulators	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/16 17:18
S77	1030	S76 same integrated	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/16 17:22
S78	67400	addressable	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/16 17:18
S79	33	S77 and S78	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/16 17:18
S80	82	S77.ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/16 17:25
S81	2	"4675770".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/16 17:25

## EAST Search History

S82	18	("1224400"   "3225257"   "3400325"   "3622849"   "3643130"   "3729671"   "4001649"   "4020397"   "4021701"   "4053996"   "4142115"   "4315296"   "4371909"   "4428016"   "4488200").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/08/16 17:34
S83	3	("6504424").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/16 17:36
S84	2	("5040242").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/16 17:36
S85	35	(US-20050008373-\$ or US-20040008996-\$ or US-20030063641-\$ or US-20030058906-\$ or US-20050218725-\$).did. or (US-4503532-\$ or US-5936986-\$ or US-4264896-\$ or US-5953690-\$ or US-4161650-\$ or US-5771114-\$ or US-5727110-\$ or US-5761231-\$ or US-5602860-\$ or US-5389963-\$ or US-5040242-\$ or US-5666045-\$ or US-7006543-\$ or US-4070572-\$ or US-5019769-\$ or US-6111680-\$ or US-3928819-\$ or US-4149072-\$ or US-4716569-\$ or US-4903337-\$ or US-5202892-\$ or US-5604757-\$ or US-5617236-\$ or US-6425086-\$ or US-6603326-\$ or US-4675770-\$).did. or (US-6031362-\$ or US-6865682-\$ or US-6504424-\$).did. or (NN950225).tban.	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2006/08/16 18:02
S86	35	(US-20050008373-\$ or US-20040008996-\$ or US-20030063641-\$ or US-20030058906-\$ or US-20050218725-\$).did. or (US-4503532-\$ or US-5936986-\$ or US-4264896-\$ or US-5953690-\$ or US-4161650-\$ or US-5771114-\$ or US-5727110-\$ or US-5761231-\$ or US-5602860-\$ or US-5389963-\$ or US-5040242-\$ or US-5666045-\$ or US-7006543-\$ or US-4070572-\$ or US-5019769-\$ or US-6111680-\$ or US-3928819-\$ or US-4149072-\$ or US-4716569-\$ or US-4903337-\$ or US-5202892-\$ or US-5604757-\$ or US-5617236-\$ or US-6425086-\$ or US-6603326-\$ or US-4675770-\$).did. or (US-6031362-\$ or US-6865682-\$ or US-6504424-\$).did. or (NN950225).tban.	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2006/08/16 18:02
S87	32963	ldo or S65	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/16 18:02
S88	6	S86 and S87	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/16 18:12
S89	2	S86 and avalanche	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/17 17:29
S90	2	"5040242".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/17 16:45
S91	2	"4675770".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/17 17:42
S10 3	147	398/136.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/08/17 17:29
S10 4	3	((("5040242") or ("4675770") or ("5953690"))).PN.	US-PGPUB; USPAT	OR	OFF	2006/08/17 17:43

## EAST Search History

S10 5	31	(US-20050008373-\$ or US-20040008996-\$ or US-20030063641-\$ or US-20030058906-\$ or US-20050218725-\$).did. or (US-4503532-\$ or US-5936986-\$ or US-4264896-\$ or US-5953690-\$ or US-4161650-\$ or US-5771114-\$ or US-5727110-\$ or US-5761231-\$ or US-5602860-\$ or US-5389963-\$ or US-5040242-\$ or US-5666045-\$ or US-7006543-\$ or US-4070572-\$ or US-5019769-\$ or US-6111680-\$ or US-3928819-\$ or US-4149072-\$ or US-4716569-\$ or US-4903337-\$ or US-5202892-\$ or US-5604757-\$ or US-5617236-\$ or US-6425086-\$ or US-6603326-\$ or US-4675770-\$).did. or (US-6031362-\$ or US-6865682-\$ or US-6504424-\$).did. or (NN950225).tban.	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2007/05/21 10:43
S10 6	35	(US-20030058906-\$ or US-20050008373-\$ or US-20040008996-\$ or US-20030063641-\$ or US-20050218725-\$).did. or (US-5771114-\$ or US-5727110-\$ or US-5617236-\$ or US-5936986-\$ or US-5602860-\$ or US-5761231-\$ or US-3928819-\$ or US-4070572-\$ or US-4503532-\$ or US-5666045-\$ or US-5019769-\$ or US-4149072-\$ or US-7006543-\$ or US-4264896-\$ or US-5953690-\$ or US-6111680-\$ or US-5604757-\$ or US-5389963-\$ or US-6865682-\$ or US-6031362-\$ or US-4675770-\$ or US-6504424-\$ or US-5040242-\$ or US-6603326-\$ or US-6425086-\$ or US-4161650-\$).did. or (US-5202892-\$ or US-4903337-\$ or US-4716569-\$).did. or (NN950225).tban.	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2007/05/21 10:43
S10 7	20	S106 and (hous\$4 or packag\$4)	US-PGPUB; USPAT; IBM_TDB	OR	OFF	2007/05/21 10:43
S10 8	15231	transceiv\$4 with (hous\$4 or packag\$4 or case or casing)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/05/21 10:44
S10 9	15139	398/1-214.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/05/21 10:45
S11 0	625	S108 and S109	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/05/21 10:45
S11 1	635	S108 same protect\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/05/21 11:13
S11 2	45	S109 and S111	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/05/21 10:48
S11 3	3	S106 and (buck)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/05/21 10:49
S11 4	18	S106 and (drop or dropout)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/05/21 10:57
S11 5	36	S112 and laser\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/05/21 10:57
S11 6	2	"5929982".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/05/21 11:14



## EAST Search History

S11 7	2	"6488416".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/05/21 11:14
S11 8	1073	aronson.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/05/21 14:36
S11 9	67	transceiver.clm. and S118	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/05/21 14:37
S12 0	2	(internal adj2 bus).clm. and S119	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/05/21 14:48
S12 1	2	"5926303".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/05/21 15:27
S12 2	2	"6,504,635".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/05/21 14:49
S12 3	2	"5664231".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2007/05/21 15:27